



# Analytical Laboratory

13339 Hagers Ferry Road  
Huntersville, NC 28078-7929  
McGuire Nuclear Complex - MG03A2  
Phone: 980-875-5245 Fax: 980-875-4349

## Order Summary Report

**Order Number:** J12060046

Project Name: MIAMI-FORT NPDES - QUARTERLY

Customer Name(s): Sue Wallace, Matthew Dorn, Mark Harper, Todd Spade, Tara Thomas, Matthew

Customer Address: 11021 BROWER RD.

NORTH BEND, OH 45052

Lab Contact: Theron T James Phone: 980-875-4795

**Report Authorized By:** \_\_\_\_\_ **Date:** 6/20/2012  
**(Signature)**

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### Program Comments:

Miami Fort June NPDES - Quarterly

### Data Flags & Calculations:

Any analytical tests or individual analytes within a test flagged with a Qualifier indicate a deviation from the method quality system or quality control requirement. The qualifier description is found at the end of the Certificate of Analysis (sample results) under the qualifiers heading. All results are reported on a dry weight basis unless otherwise noted.

### Data Package:

This data package includes analytical results that are applicable only to the samples described in this narrative. An estimation of the uncertainty of measurement for the results in the report is available upon request. This report shall not be reproduced, except in full, without the written consent of the Analytical Laboratory. Please contact the Analytical laboratory with any questions. The order of individual sections within this report is as follows:

*Job Summary Report, Sample Identification, Technical Validation of Data Package, Analytical Laboratory Certificate of Analysis, Analytical Laboratory QC Reports, Sub-contracted Laboratory Results, Customer Specific Data Sheets, Reports & Documentation, Customer Database Entries, Test Case Narratives, Chain of Custody (COC)*

### Certification:

The Analytical Laboratory holds the following State Certifications : North Carolina (DENR) Certificate #248, South Carolina (DHEC) Laboratory ID # 99005. Contact the Analytical Laboratory for definitive information about the certification status of specific methods.

*The results in this report meet NELAP requirements through New York State Department of Health Certification # 11717.. Certified parameters are designated with an "N" in the analytical report.*

Sample ID's & Descriptions:

Sample ID	Plant/Station	Collection Date and Time	Collected By	Sample Description
2012012214	MIAMI-FORT	05-Jun-12 7:27 AM	M. Dorn	OUTFALL 002
2012012215	MIAMI-FORT	05-Jun-12 7:35 AM	M. Dorn	OUTFALL 608
2 Total Samples				

## Technical Validation Review

### Checklist:

COC and .pdf report are in agreement with sample totals and analyses (compliance programs and procedures).

☒ Yes

☐ No

All Results are less than the laboratory reporting limits.

☐ Yes

☒ No

All laboratory QA/QC requirements are acceptable.

☒ Yes

☐ No

The Vendor Laboratories have been qualified by the Analytical Laboratory

Yes

### Report Sections Included:

☒ Job Summary Report

☒ Sample Identification

☒ Technical Validation of Data Package

☒ Analytical Laboratory Certificate of Analysis

☐ Analytical Laboratory QC Report

☒ Sub-contracted Laboratory Results

☐ Customer Specific Data Sheets, Reports, & Documentation

☐ Customer Database Entries

☒ Chain of Custody

☐ Electronic Data Deliverable (EDD) Sent Separately

Reviewed By: Theron T James

Date: 6/20/2012

# Certificate of Laboratory Analysis

*This report shall not be reproduced, except in full.*

**Order # J12060046**

Site: OUTFALL 002

Collection Date: 05-Jun-12 7:27 AM

**Sample #: 2012012214**

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	DF	Method	Analysis Date/Time	Analyst
<b><u>AMMONIA (COLORIMETRIC)</u></b>								
Ammonia (Colorimetric)	<b>0.35</b>	mg-N/L	N	0.02	1	EPA 350.1	06-Jun-12 14:07	TLINN
<b><u>TOTAL KJELDAHL NITROGEN (COLORIMETRIC)</u></b>								
Total Kjeldahl Nitrogen (Colorimetric)	<b>0.98</b>	mg-N/L	N	0.15	1	EPA 351.2	08-Jun-12 12:38	TLINN
<b><u>TOTAL DISSOLVED SOLIDS</u></b>								
Vendor Parameter	<b>Complete</b>				1	V_PACE		

Site: OUTFALL 608

Collection Date: 05-Jun-12 7:35 AM

**Sample #: 2012012215**

Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	DF	Method	Analysis Date/Time	Analyst
<b><u>ALKALINITY (FIXED END POINT 4.5)</u></b>								
Alkalinity (mg/L CaCO <sub>3</sub> )	<b>1400</b>	mg/L (CaCO <sub>3</sub> )	N	0.1	1	SM2320B	08-Jun-12 08:05	TJA7067
<b><u>INORGANIC IONS BY IC</u></b>								
Chloride	<b>4600</b>	mg/L	N	100	1000	EPA 300.0	06-Jun-12 17:13	BGN9034
Fluoride	<b>8.6</b>	mg/L	N	5	50	EPA 300.0	06-Jun-12 17:13	BGN9034
Sulfate	<b>12000</b>	mg/L	N	300	3000	EPA 300.0	06-Jun-12 17:13	BGN9034
<b><u>TOTAL METALS BY ICP</u></b>								
Boron (B)	<b>357</b>	mg/L	M4; N	0.5	10	EPA 200.7	08-Jun-12 10:33	DJSULL1
Iron (Fe)	<b>0.030</b>	mg/L	N	0.01	1	EPA 200.7	08-Jun-12 10:33	DJSULL1
Manganese (Mn)	<b>0.009</b>	mg/L	N	0.005	1	EPA 200.7	08-Jun-12 10:33	DJSULL1
<b><u>TOTAL RECOVERABLE METALS BY ICP-MS</u></b>								
Arsenic (As)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Barium (Ba)	<b>141</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Cadmium (Cd)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Chromium (Cr)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Copper (Cu)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Lead (Pb)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
Zinc (Zn)	<b>&lt; 20</b>	ug/L	N	20	1	EPA 200.8	11-Jun-12 12:31	MHH7131
<b><u>TOTAL DISSOLVED SOLIDS</u></b>								
Vendor Parameter	<b>Complete</b>				1	V_PACE		

Certificate of Laboratory Analysis

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Order # J12060046

Site: OUTFALL 608	Sample #: 2012012215
Collection Date: 05-Jun-12 7:35 AM	Matrix: NPDES

Analyte	Result	Units	Qualifiers	RDL	DF	Method	Analysis Date/Time	Analyst
<b><u>TOTAL SUSPENDED SOLIDS</u></b>								
Vendor Parameter	Complete				1	V_PACE		

Qualifiers:

- M4** The spike recovery value was unusable since the analyte concentration in the sample was disproportionate to the spike level. The associated Laboratory Control Spike recovery was acceptable.

June 12, 2012

Program Manager  
Duke Energy

RE: Project: J12060046  
Pace Project No.: 92120385

Dear Program Manager:

Enclosed are the analytical results for sample(s) received by the laboratory on June 06, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Godwin for  
Kevin Herring  
kevin.herring@pacelabs.com  
Project Manager

Enclosures



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: J12060046  
Pace Project No.: 92120385

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### Asheville Certification IDs

2225 Riverside Dr., Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712  
North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001  
Virginia Certification #: 00072  
West Virginia Certification #: 356  
Virginia/VELAP Certification #: 460147

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: J12060046

Pace Project No.: 92120385

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92120385001	2012012215	Water	06/05/12 07:35	06/06/12 15:54
92120385002	2012012214	Water	06/05/12 07:27	06/06/12 15:54

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: J12060046

Pace Project No.: 92120385

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92120385001	2012012215	SM 2540C	LMD	1	PASI-A
		SM 2540D	LMD	1	PASI-A
92120385002	2012012214	SM 2540C	LMD	1	PASI-A

## REPORT OF LABORATORY ANALYSIS

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## HITS ONLY

Project: J12060046

Pace Project No.: 92120385

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92120385001</b>	<b>2012012215</b>					
SM 2540C	Total Dissolved Solids	32300	mg/L	500	06/07/12 00:37	
SM 2540D	Total Suspended Solids	19.0	mg/L	5.0	06/08/12 00:17	
<b>92120385002</b>	<b>2012012214</b>					
SM 2540C	Total Dissolved Solids	922	mg/L	25.0	06/07/12 00:37	

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: J12060046

Pace Project No.: 92120385

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**Method:** SM 2540C

**Description:** 2540C Total Dissolved Solids

**Client:** Duke Energy

**Date:** June 12, 2012

**General Information:**

2 samples were analyzed for SM 2540C. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

## REPORT OF LABORATORY ANALYSIS

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## PROJECT NARRATIVE

Project: J12060046

Pace Project No.: 92120385

---

**Method:** SM 2540D

**Description:** 2540D Total Suspended Solids

**Client:** Duke Energy

**Date:** June 12, 2012

**General Information:**

1 sample was analyzed for SM 2540D. All samples were received in acceptable condition with any exceptions noted below.

**Hold Time:**

The samples were analyzed within the method required hold times with any exceptions noted below.

**Method Blank:**

All analytes were below the report limit in the method blank with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Matrix Spikes:**

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

**Duplicate Sample:**

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

**Additional Comments:**

This data package has been reviewed for quality and completeness and is approved for release.

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: J12060046

Pace Project No.: 92120385

<b>Sample: 2012012215</b>		<b>Lab ID: 92120385001</b>		Collected: 06/05/12 07:35		Received: 06/06/12 15:54		Matrix: Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>32300</b>	mg/L	500		1		06/07/12 00:37		
<b>2540D Total Suspended Solids</b>		Analytical Method: SM 2540D							
Total Suspended Solids	<b>19.0</b>	mg/L	5.0		1		06/08/12 00:17		



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## ANALYTICAL RESULTS

Project: J12060046

Pace Project No.: 92120385

<b>Sample: 2012012214</b>		<b>Lab ID: 92120385002</b>		Collected: 06/05/12 07:27		Received: 06/06/12 15:54		Matrix: Water	
Parameters	Results	Units	Report Limit	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C							
Total Dissolved Solids	<b>922</b>	mg/L	25.0		1		06/07/12 00:37		

## QUALITY CONTROL DATA

Project: J12060046

Pace Project No.: 92120385

QC Batch: WET/21123

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Associated Lab Samples: 92120385001, 92120385002

METHOD BLANK: 774471

Matrix: Water

Associated Lab Samples: 92120385001, 92120385002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	25.0	06/07/12 00:34	

LABORATORY CONTROL SAMPLE: 774472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	250	242	97	80-120	

SAMPLE DUPLICATE: 774473

Parameter	Units	92120212001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	92.0	95.0	3	10	

## QUALITY CONTROL DATA

Project: J12060046

Pace Project No.: 92120385

QC Batch: WET/21135

Analysis Method: SM 2540D

QC Batch Method: SM 2540D

Analysis Description: 2540D Total Suspended Solids

Associated Lab Samples: 92120385001

METHOD BLANK: 775416

Matrix: Water

Associated Lab Samples: 92120385001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Suspended Solids	mg/L	ND	2.5	06/08/12 00:14	

LABORATORY CONTROL SAMPLE: 775417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Suspended Solids	mg/L	250	246	98	80-120	

SAMPLE DUPLICATE: 775418

Parameter	Units	92120577001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	6160	6030	2	10	

SAMPLE DUPLICATE: 775419

Parameter	Units	92120386001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Suspended Solids	mg/L	5.6	5.6	0	10	



## QUALIFIERS

Project: J12060046  
Pace Project No.: 92120385

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-A Pace Analytical Services - Asheville



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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: J12060046

Pace Project No.: 92120385

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92120385001	2012012215	SM 2540C	WET/21123		
92120385002	2012012214	SM 2540C	WET/21123		
92120385001	2012012215	SM 2540D	WET/21135		

## CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM



Duke Energy Analytical Laboratory

Mail Code MGO3A2 (Building 7405)  
Hagers Ferry Rd  
Huntersville, N. C. 28078

13339

(704) 875-5245

4349

Fax: (704) 875-

1) Project Name

MIAMI-FORT NPDES Quarterly  
(Week 1 - June 5, 2012)

2) Phone No:

3) Client

Sue Wallace, Tara Thomas, Matthew Hoyt

4) Fax No:

5) Business Unit:

6) Process:

7) Resp. Center To:

8) Project ID:

9) Activity ID:

10) Mail Code:

LAB USE ONLY

11) Lab ID

12) Chem  
Desktop No.

13) Sample Description or ID

14) Collection Information

Date Time Signature

6/5/12	07:27	Matthew
6/5/12	07:35	Matthew

17) Comp.

18) Grab

TDS

TKN, NH3

B, Fe, Mn, As, Ba,  
Cd, Cr, Cu, Pb, Zn

TSS

Cl, F, SO4

Alkalinity

002  
001

Customer to sign &amp; date below - fill out from left to right.

1) Relinquished By	Matthew	Date/Time	6/5/2012 08:07
3) Relinquished By	Courier	Date/Time	6/6/12 1045
5) Relinquished By	L. Davis	Date/Time	6/6/12 1530
7) Relinquished By	Matthew	Date/Time	6/6/12 1554
9) Seal/Locked By	Matthew	Date/Time	6/5/2012 08:07

2) Accepted By	Courier	Date/Time	6/5/12
4) Accepted By	L. Davis	Date/Time	6/6/12 1045
6) Accepted By	Matthew	Date/Time	6/6/12 1530
8) Accepted By	Matthew	Date/Time	6/6/12 1554
10) Seal/Lock Opened By	L. Davis	Date/Time	6/6/12 1100
12) Seal/Lock Opened By	L. Davis	Date/Time	6/6/12 1100

Comments:

ICP-TOT - B, Fe, MN IMS-TRM - As, Ba, Cd, Cr, Cu, Pb, Zn Fe HACH = 0.06 mg/L

Analytical Laboratory Use Only

LIMS #

J12060046

Sample Class

NPDES

Samples  
Originating  
From

OH X

Logged By

L. Davis

Date &amp; Time

6/6/12 1100

PACE

PO #146146

1.4

Cooler Temp (C)

SAMPLE PROGRAM  
NPDES\_X\_

15) Preserv.: 1=HCL  
2=H<sub>2</sub>SO<sub>4</sub> 3=HNO<sub>3</sub>  
4=Ice 5=None

MR #

Customer to complete all  
appropriate non-shaded areas.16) Analyses  
Required

17) Comp.

18) Grab

TDS

TKN, NH3

B, Fe, Mn, As, Ba,  
Cd, Cr, Cu, Pb, Zn

TSS

Cl, F, SO4

Alkalinity

19) Page 1 of 1  
DISTRIBUTION  
ORIGINAL to LAB,  
COPY to CLIENT

02120385

Customer, IMPORTANT!  
Please indicate desired turnaround.

22) Requested Turnaround


14 Days \_\_\_\_\_

\*7 Days \_\_\_\_\_

\*48 Hr \_\_\_\_\_

\*Other \_\_\_\_\_  
\* Add. Cost Will Apply

6-13-12

	Document Name: <b>Sample Condition Upon Receipt (SCUR)</b>	Document Revised: May 7, 2012 Page 1 of 2
	Document Number: <b>F-CHR-CS-03-rev.07</b>	Issuing Authority: Pace Huntersville Quality Office

Client Name: Mike PowerProject # 92120385Where Received: ☒ Huntersville ☐ Asheville ☐ EdenCourier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace Other \_\_\_\_\_Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Optional
Proj. Due Date
Proj. Name

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other \_\_\_\_\_Thermometer Used: IR Gun T1101 T1102 Type of Ice: Wet Blue None ☒ Samples on ice, cooling process has begun

Temp Correction Factor T1101: No Correction T1102: No Correction

Corrected Cooler Temp.: 2.3 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining,  
contents: Comm 6/6/12

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

## Client Notification/ Resolution:

Field Data Required?

Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review:

W

Date:

6/6/12

SRF Review:

W

Date:

6/7/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST FORM

Analytical Laboratory  
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**Duke Energy**  
Mail Code MGO3A2 (Building 7405) 13339  
Hagers Ferry Rd  
Huntersville, N. C. 28078  
(704) 875-5245 Fax: (704) 875-4349

1) Project Name: **MIAMI-FORT NPDES Quarterly (Week 1 - June 5, 2012)**  
2) Phone No:  
3) Client: **Sue Wallace, Tara Thomas, Matthew Hoyt**  
4) Fax No:  
5) Business Unit:  
6) Process:  
7) Resp. Center To:  
8) Project ID:  
9) Activity ID:  
10) Mail Code:

**Analytical Laboratory Use Only**  
LIMS #: **J12060046**  
Sample Class: **NPDES**  
OH: **X**  
Logged By: **R.A.** Date & Time: **6/6/12 1100**  
SAMPLE PROGRAM: **NPDES\_X**  
Cooler Temp (C): **1.4**  
15 Preserv.: 1=HCL 2=H<sub>2</sub>SO<sub>4</sub> 3=HNO<sub>3</sub> 4=Ice 5=None

19 Page 1 of 1  
DISTRIBUTION  
ORIGINAL to LAB,  
COPY to CLIENT

LAB USE ONLY		12 Chem Desktop No.		13 Sample Description or ID			14 Collection Information									
11 Lab ID				Date	Time	Signature	17 Comp.	18 Grab	TDS	TKN, NH3	B, Fe, Mn, As, Ba, Cd, Cr, Cu, Pb, Zn	TSS	Cl, F, SO4	Alkalinity		
201201224			Outfall 002	6/5/12	07:27	Mat Don		X	2	1						
201201225			Outfall 608	6/5/12	07:35	Mat Don		X	2		1	2	1	1		

Customer to sign & date below - fill out from left to right.

1) Relinquished By: **Mat Don** Date/Time: **6/5/2012 08:07**  
3) Relinquished By: **Courier** Date/Time: **6/6/12 1045**  
5) Relinquished By: **R. Davis** Date/Time: **6/6/12 1530**  
7) Relinquished By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
9) Seal/Locked By: **Mat Don** Date/Time: **6/5/2012 08:07**  
11) Seal/Locked By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
2) Accepted By: **Courier** Date/Time: **6/5/12**  
4) Accepted By: **R. Davis** Date/Time: **6/6/12 1045**  
6) Accepted By: **STR** Date/Time: **6/6/12 15:30**  
8) Accepted By: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
10) Seal/Lock Opened By: **R. Davis** Date/Time: **6/6/12 1100**  
12) Seal/Lock Opened By: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Customer, IMPORTANT!  
Please indicate desired turnaround.

22 Requested Turnaround  
14 Days \_\_\_\_\_  
\* 7 Days \_\_\_\_\_  
\* 48 Hr \_\_\_\_\_  
\* Other \_\_\_\_\_  
\* Add. Cost Will Apply  
**6-13-12**

Comments: **ICP-TOT - B, Fe, MN IMS-TRM - As, Ba, Cd, Cr, Cu, Pb, Zn Fe HACH = 0.04 mg/L**